

REPLACEMENT
 USSN 09/857,557
 DuPont Docket No.: BB1297USPCT
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FIG. 1A

SEQ ID NO: 21	AP-----	60
SEQ ID NO: 22	MAINLMA-PTEIKTSLFDSSKSN-YNLNPLKFGGFAFKRDSRCTAAKRVHCSAQSQS	
SEQ ID NO: 16	MAALKASFRGELSAASFLDSSRG-PL-----VQHKVDFTQKGRALSLRRTCCSMQQAAP	
SEQ ID NO: 06	MALKVVSFPGDLAAVSFLDSNRGGAP-----NQLKVDLPFQTRDRRAVSLRRTCCSMQQAAP	
SEQ ID NO: 18	MMALNISSPAEVKSIFFADSFKSNCLTAK---FSGGFAFKRERRAASGGRVYCSVQATP	
SEQ ID NO: 08	MAINLPS-PAQVKPLFFSSN-----NSTKLPGSFLKRRKSDITVERRVYCSAAQOS	
SEQ ID NO: 20	TS-----SFSLLELSSGTTSSRGAAPRQHQKVDLTFQRDKRAAYLR-TCCSMQQGP	
	1	
SEQ ID NO: 21	-----R-QSWDGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
SEQ ID NO: 22	PPPAWPGRAFPPEGR-MTWEGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
SEQ ID NO: 16	PP-ANPGRAVAEPGR-RSWDGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
SEQ ID NO: 06	PP-ANPGRAVVEPGR-RSWDGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
SEQ ID NO: 18	PPPAWPGRAVPBQGR-KTWDGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
SEQ ID NO: 08	PPPAWPGTAIPEPSDFKTWDGQKPISVLGSIGTQTLISIVAEFPERFKVVS LAAGSNI	
SEQ ID NO: 20	PP-ANPGRAVAEPER-RSWEGPKPISIVGSTGSIQTQTLDIVAENPDKFRVVALAAGSNV	
	61	
SEQ ID NO: 21	***** ** * ** * ***** ** * ** *	
SEQ ID NO: 22	TLLADQVRRFKPALVAVRNESLINELKEALADLDYKLEIIPGEQGVIEVARHPDAVTVT	
SEQ ID NO: 16	TLLADQ-KAFKPKLVSVKDESLISELKEALAGFEDMPEIIPGEQGMIEVARHPDAVTVT	
SEQ ID NO: 06	TLLADQVKTFKPKLVAVRNESLVDELKEALADCEKPEIIPGEQGVIEVARHPDAVTVT	
SEQ ID NO: 06	TLLADQVKTFKPKLVAVRNESLVDELKEALADCDWKPEIIPGEQGVIEVARHPDAVTVT	
SEQ ID NO: 18	TLLADQVKRFKPKLVAVRNESLIELEALHDVEEKPEIIPGEQGVIEVARHPDAVSVT	
SEQ ID NO: 08	TLLADQIKTFKPEVVGRLNESLIDELKEALADVDHKPEIIPGEQGVIEAARHPDATTVT	
SEQ ID NO: 20	TLLADQVKTFKPKLVAVRNESLIDELKEALAGCEEMPEIIPGEQGVIEVARHPDAVTVT	
	121	
	1	
	180	

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FIG. 1B

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*****
SEQ ID NO:21 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLANKHNVKILPADSEHSAIFQC *****
SEQ ID NO:22 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAKHNVKILPADSEHSAIFQC *****
SEQ ID NO:16 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHVKILPADSEHSAIFQC *****
SEQ ID NO:06 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAQKHVKILPADSEHSAIFQC *****
SEQ ID NO:18 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAQKHVKILPADSEHSAIFQC *****
SEQ ID NO:08 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHNIKILPADSEHSAIFQC *****
SEQ ID NO:20 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHNVKILPADSEHSAIFQC *****
181 240

*****
SEQ ID NO:21 IQGLPEGALRKIIILTASGGAFRDWPVEKLEKVKVADALKHPNWNMGKKITVDSATLF-NK *****
SEQ ID NO:22 IQGLPEGALRKIIILTASGGAFRDLPVEKLEKVKVADALKHSNWNMGKKNTVRLQLFPNK *****
SEQ ID NO:16 IQGLSEGALRKIIILTASGGAFRDWPVDRLKOVKVADALKHPNWNMGKKITVDSATLF-NK *****
SEQ ID NO:06 IQGLPEGALRKIIILTASGGAFRDWPVDKLEKVKVADALKHPNWNMGKKITVDSATLF-NK *****
SEQ ID NO:18 IQGLPEGALRRVILTASGGAFRDWPVDKLDKVKVADALKHPNWNMGKKITVDSATLF-NK *****
SEQ ID NO:08 IQGLPKGALRKIIILTASGGAFRDWPVEKMDIKLADALKHPIWSLGRKITIDSATLF-NK *****
SEQ ID NO:20 IQGLSEGSLRRVILTASGGAFRDWPVEKLDKVKVADALKHPNWSMGKKITVDSATLF-NK *****
241 300

*****
SEQ ID NO:21 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYITMSWPD *****
SEQ ID NO:22 GLEVIKAHYLFGAHYDDIEIVIHQPSIIHSMVETQDSSVLAQLGWPDMLPILYITLSWPE *****
SEQ ID NO:16 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMVETQDSSVLAQLGWPDMLPILYITLSWPD *****
SEQ ID NO:06 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYITMSWPD *****
SEQ ID NO:18 GLEVIEAHYLFGADYDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYITLSWPD *****
SEQ ID NO:08 GLEVIEAHYLFGASYDDIEIVIHQPSIIHSLVETXDSVNAQLGIPDMRLPILYITLSWPE *****
SEQ ID NO:20 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYITLSWPD *****
301 360

2
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FIG. 1C

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* *** ***** * * * * * ***** *
SEQ ID NO:21 RVPCEVTWPRLDLCKLGLSLTFKKPDNVKPSMDLAVAAAGRAGGTMGTGVLAAANEKAVEM
SEQ ID NO:22 RVYCSEITWPRLDLCKVD-LPFFKCPDNREIPAMDLAFAAWKSRSTMTGVLAAANEKAVEM
SEQ ID NO:16 RIYCSEVTWPRLDLCKLGLSLTFRAPDNVKPSMDLAVAAAGRAGGTMGTGVLAAANEKAVEL
SEQ ID NO:06 RIYCSEVTWPRLDLCKLGLSLTFKAPDNVKPSMDLAVAAAGRAGGTMGTGVLAAANEKAVEL
SEQ ID NO:18 RIYCSEVTWPRLDLCKLGLSLTFKTPDNVKPSMDLAFSAAGRAGGTMGTGVLAAANEKAVEM
SEQ ID NO:08 RIYCSEVTWPRLDLCKLGLSLTFYAPDDKFFSVNLCYAAAGRAGGTMGTGVLAAANEKAVEM
SEQ ID NO:20 RVYCSEVTWPRLDLCKLGLSLTFKAPDNVKPSVDLAVAAAGRAGGTMGTGVLAAANEKAVEL
361

* *** * ***** * * * * * ***** *
SEQ ID NO:21 FIDEKISYLDIFKVVVELTCDKHRNELVTSPSLEEIVHYDLWARKYAANVQLSS-GARPV
SEQ ID NO:22 FIDEKIGYLDIFKVVVELTCDKHSKMAVSPSLEEIVHYDQWARDYAATV-LKSAGLSPA
SEQ ID NO:16 FIDEKISYLDIFKVVVELTCDKHAHRELVTSPSLEEIVHYDLWARRYAASLOPSS-GLSPV
SEQ ID NO:06 FIDEKIGYLDIFKVVVELTCDKHAHRELVTSPSLEEIVHYDLWARRYAASLOPST-GLSPV
SEQ ID NO:18 FIDEKISYWNLFKVVVELTCEKHONELVSSPSLEEIVHYDLWARKYAASLODSSS-FTPI
SEQ ID NO:08 FVEEKISYLDIFKVVVELTCEHQHRELVASPSLEEIVHYDQWARKYAASLOKXFKCLNPI
SEQ ID NO:20 FIDEKISYLDIFKVVVELTCDKHAHRELVTSPSLEEIVHYDQWARKFAANLQPSSSGSRSPV
421

-----HA
SEQ ID NO:21 -----
SEQ ID NO:22 -----LV
SEQ ID NO:16 -----PA
SEQ ID NO:06 -----PV
SEQ ID NO:18 -----LA
SEQ ID NO:08 FLTYFRSWGCGGLLATASIFCKCIVGSSIL
SEQ ID NO:20 -----LA
481

-----LA
510
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